PRATYUSH GUPTA

pratyushg2001@gmail.com | +91-7081997666 | **GITHUB** | **LinkedIn** | **PORTFOLIO**

Skills

Programming Languages: Python, SQL, C++, JavaScript

Programming Frameworks: React.js , Node.js , Express.js , Django , Flask , OpenCV , PyTorch , Pandas , TensorFlow, Bootstrap , Streamlit

Technologies: Deep Learning, Containerization, Machine Learning, LLM, RAG, AWS, Web Development

Work Experience

Co - Team Lead   **(Sept'25 - Oct'25)**
Software Development Engineering Intern   **(Aug'25 - Sept'25)**

Bluestock Fintech   **Remote**

- Devised a **REST API** application, leading to zero reported usability issues from high-profile clients, as measured by support ticket volume.
- Optimized machine learning models, **improving accuracy by 15%** and **reducing inference time by 20%** for web applications.
- **Developed a web application**, that provided IPO - related information to the users, increasing client engagement by **30%**.

Projects

AI-Powered Job Search Assistant   **(Aug'25)**

Tech Stack: Deepseek, Groq, Langchain, Streamlit, SerpAPI, Python
- **Streamlined Job Search & Summarization** – Integrated real-time web scraping to retrieve and summarize the top 3 relevant job listings, reducing manual effort by **80%.**
- **Produced AI-Powered Resume Matching** – Leveraged LLM - based analysis for instant resume feedback, enhancing candidate-job relevance in **under 10 seconds.**
- GitHub Link: https://github.com/MrPratsJi/JobSeeker

Snapgram - A Social Media App   **(Jul'25)**

Tech Stack: React.js, HTML, TypeScript, Vite, Tailwind CSS, JavaScript, MongoDB, Node.js
- **Motivated real-time photo-sharing, likes and comments with 90%+** accuracy with a scalable **Node.js** and **MongoDB backend,** while optimizing other processes for **3x** faster processing.
- **Spearheaded responsive UI with React.js**, optimizing load-time by **30% ,** ensuring seamless cross-device user experience.
- Github Link**:** https://github.com/MrPratsJi/Snapgram-A-Social-Media-App

EmoSense - A Engagement Analyzer   **(Apr'25)**

Tech Stack: Python, RESTAPI, OpenCV, MongoDB, React.js, Vercel, Tailwind CSS, JavaScript
- Architected an AI-powered engagement analyzer, achieving **92% accuracy** in real-time detection and recognition.
- Collaborated a dataset from scratch with **1,600+ images and videos**, ensuring robust model training **(Train: 89%, Valid: 7%, Test: 4%).**
- Integrated **CNNs with OpenCV** to achieve high accuracy in detecting emotions, **improving recognition speed by 30%.**
- GitHub Link: https://github.com/MrPratsJi/EmoSense

Positions of Responsibility

Internet of Things Community (Io ThinC)   **Co - Head**   **Jun'23 -Jul'24**

- Managed the tech team at **Robothon**, a prestigious student club at **PSIT**, recognized by **AKTU** in IOT research and innovation.
- **Secured the 9th position** in the **Tech - Expo** organized by the university **.**

Education

Pranveer Singh Institute of Technology   **(Dec'22 – Jul'26)**
B.Tech in Computer Science and Engineering [CS - IOT] | CGPA: **7.6/10**

S S D Education Centre   **(Mar'21 - Feb'22)**
Class 12th: 84.6%

S S D Education Centre   **(Mar'19 - Feb'20)**
Class 10th: 92.3%